

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135292.D
 Acq On : 15 Sep 2023 21:59
 Operator : CG\JU
 Sample : 04409-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5(0-6)COMP

Quant Time: Sep 16 01:56:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

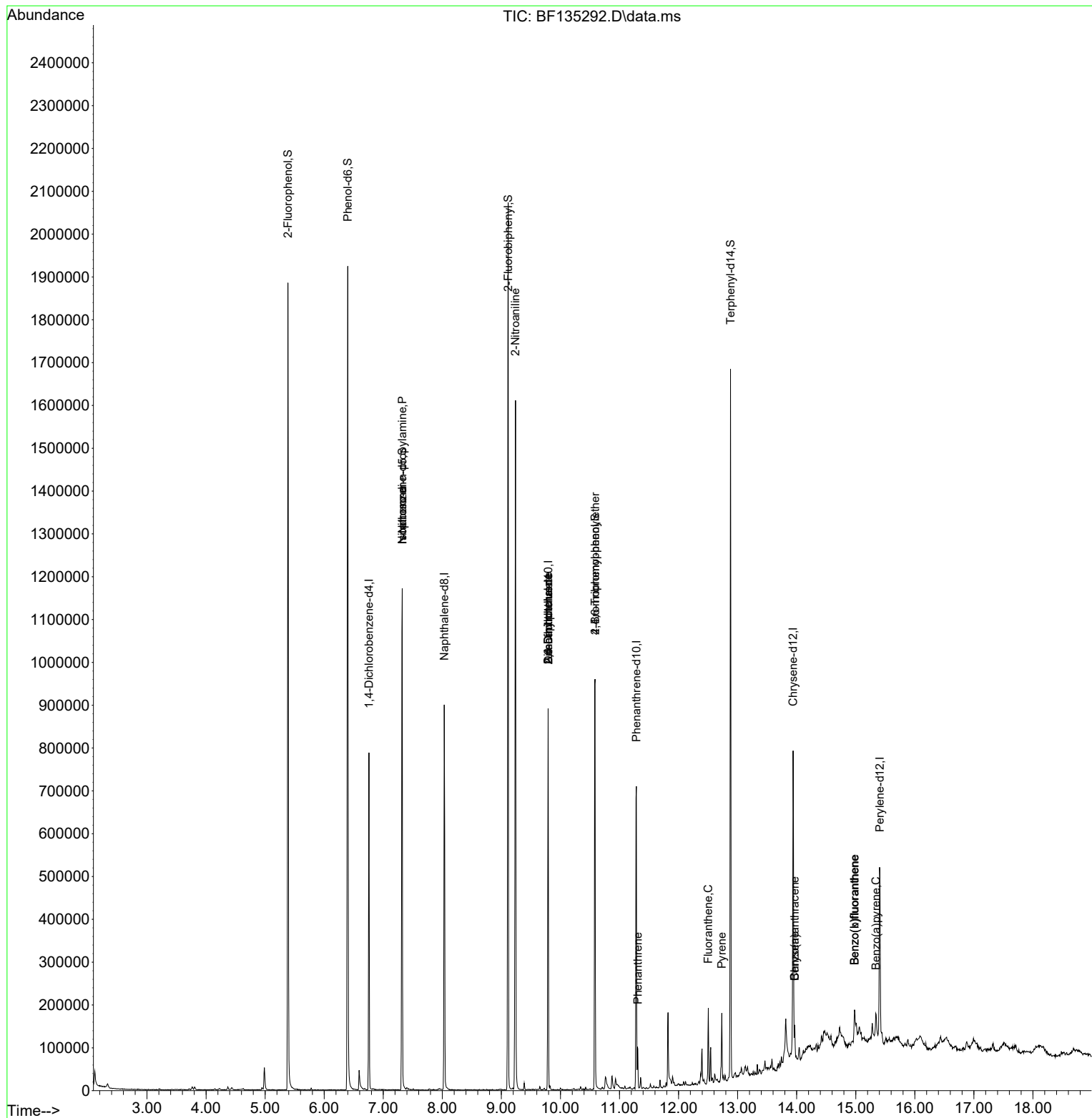
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	103316	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	372967	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	163148	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	268625	20.000	ng	0.00
76) Chrysene-d12	13.939	240	222393	20.000	ng	0.00
86) Perylene-d12	15.409	264	200105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	475018	74.779	ng	0.00
7) Phenol-d6	6.398	99	579185	71.706	ng	0.00
23) Nitrobenzene-d5	7.322	82	356704	51.960	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	115442	71.204	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	619362	57.276	ng	-0.01
79) Terphenyl-d14	12.880	244	525819	36.652	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	48118	9.618	ng	# 74
25) Isophorone	7.322	82	356701	28.297	ng	# 65
48) 2-Nitroaniline	9.239	65	16227	4.592	ng	# 16
50) Dimethylphthalate	9.792	163	32894	2.982	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	21029	8.703	ng	# 18
57) 2,4-Dinitrotoluene	9.792	165	21029	6.951	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	7400	2.770	ng	# 1
71) Phenanthrene	11.310	178	35103	2.763	ng	98
75) Fluoranthene	12.504	202	68279	5.158	ng	97
78) Pyrene	12.733	202	62205	2.938	ng	98
81) Benzo(a)anthracene	13.968	228	30030	2.091	ng	95
83) Chrysene	13.968	228	30030	2.103	ng	96
88) Benzo(b)fluoranthene	14.980	252	46965	4.336	ng	# 93
89) Benzo(k)fluoranthene	14.980	252	46965	4.389	ng	# 94
90) Benzo(a)pyrene	15.345	252	23029	2.229	ng	# 96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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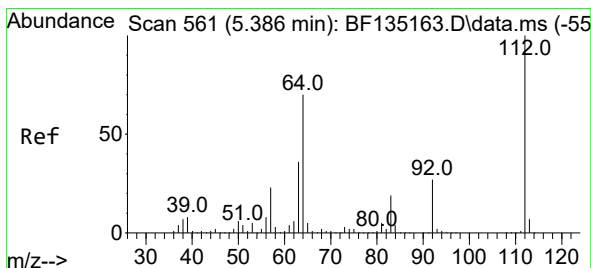
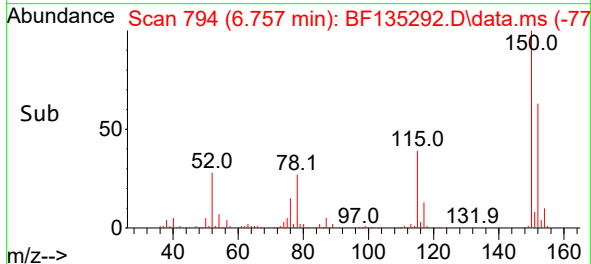
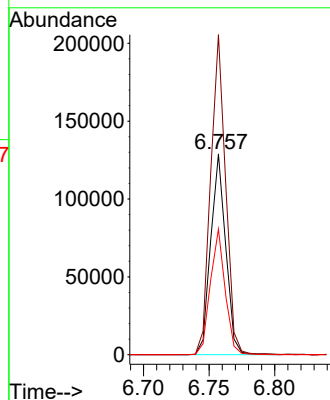
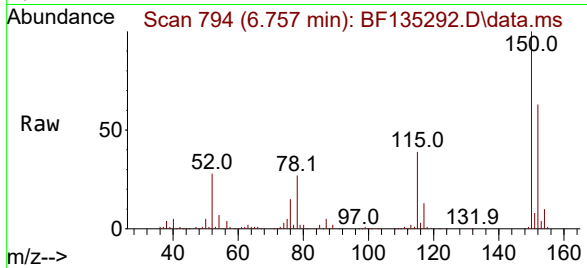




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

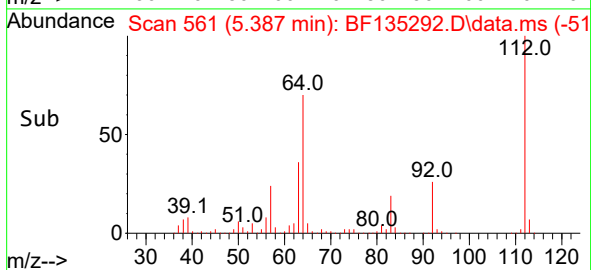
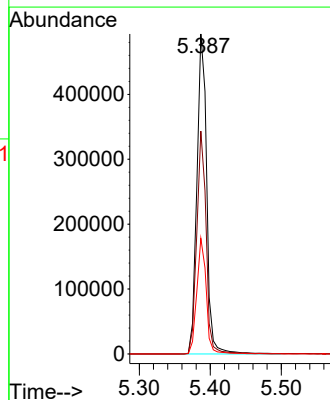
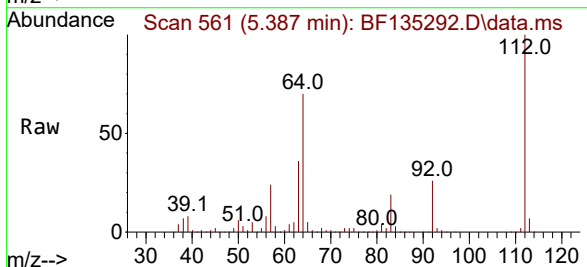
Instrument :
BNA_F
ClientSampleId :
WC-5(0-6)COMP

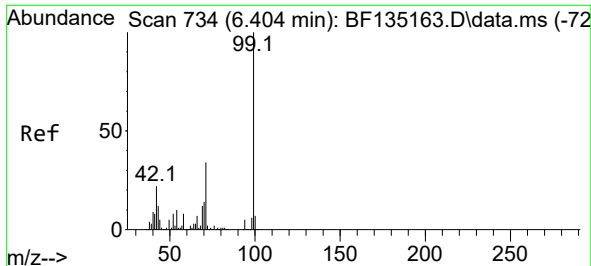
Tgt Ion:152 Resp: 103316
Ion Ratio Lower Upper
152 100
150 159.4 127.8 191.6
115 62.5 49.8 74.8



#5
2-Fluorophenol
Concen: 74.779 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

Tgt Ion:112 Resp: 475018
Ion Ratio Lower Upper
112 100
64 69.6 55.9 83.9
63 36.2 29.0 43.6

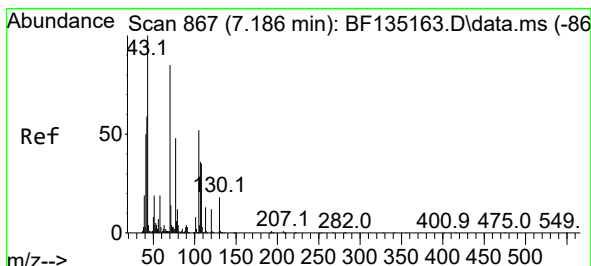
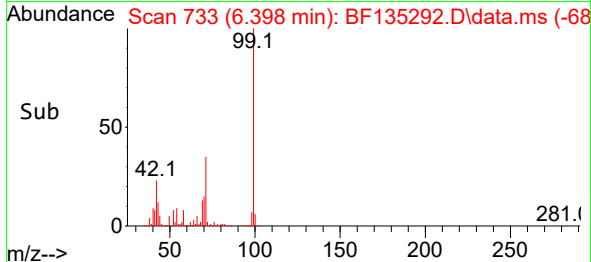
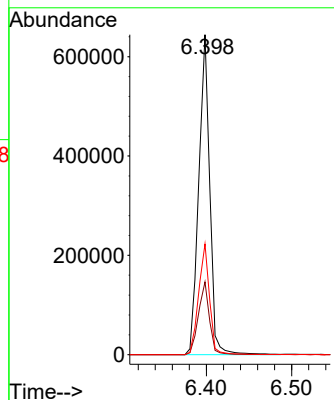
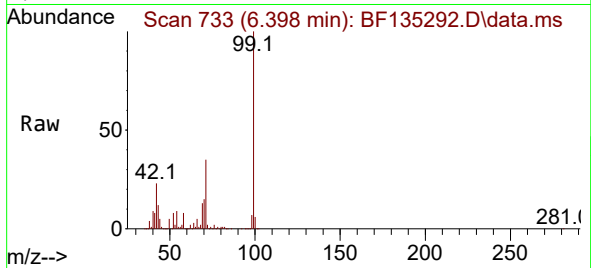




#7
Phenol-d6
Concen: 71.706 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

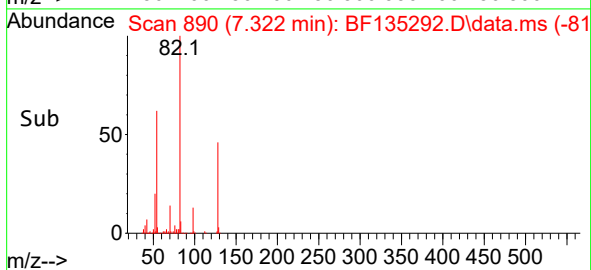
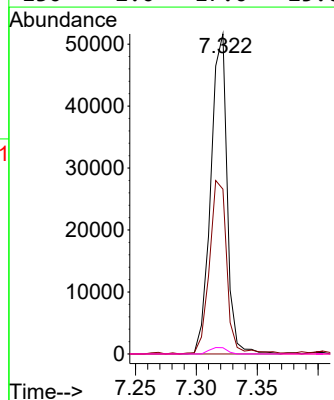
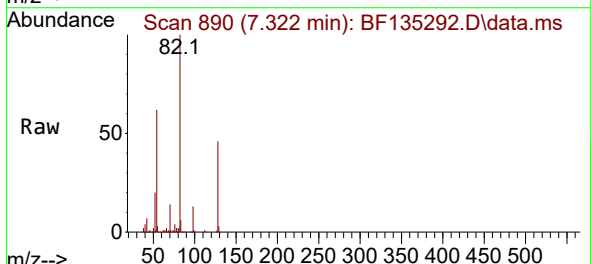
Instrument :
BNA_F
ClientSampleId :
WC-5(0-6)COMP

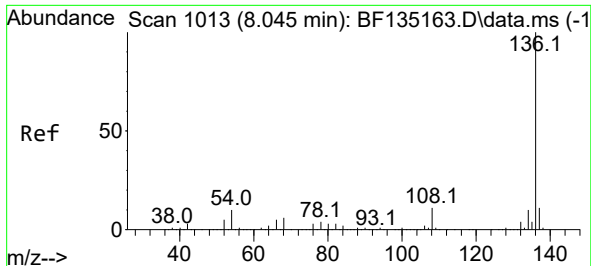
Tgt Ion: 99 Resp: 579185
Ion Ratio Lower Upper
99 100
42 22.7 17.9 26.9
71 34.6 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.618 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

Tgt Ion: 70 Resp: 48118
Ion Ratio Lower Upper
70 100
42 51.5 55.4 83.0#
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

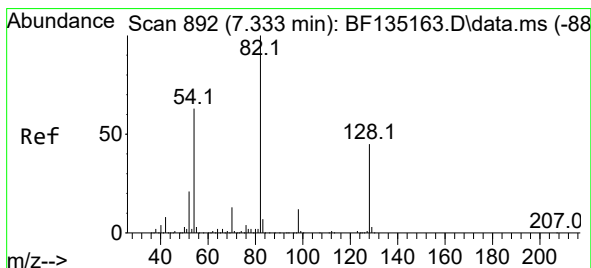
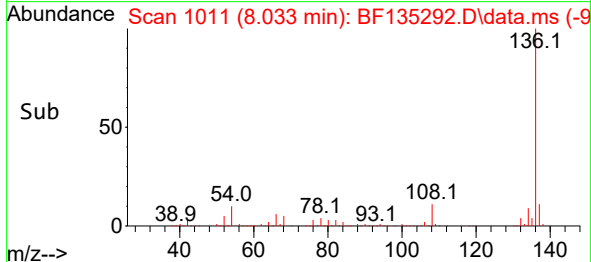
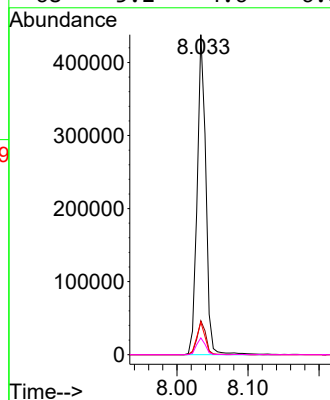
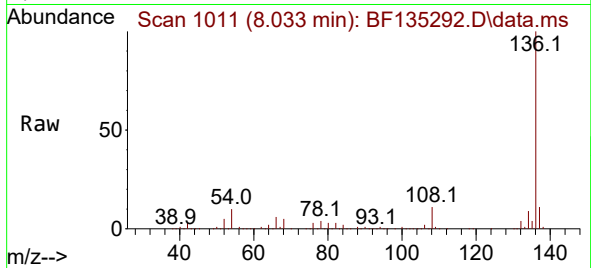




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

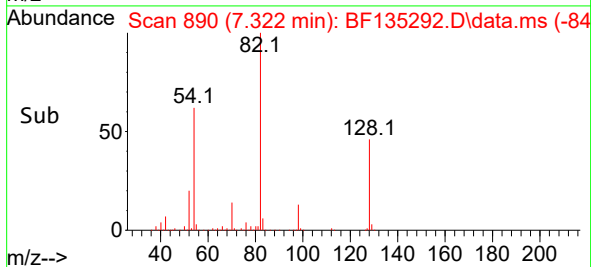
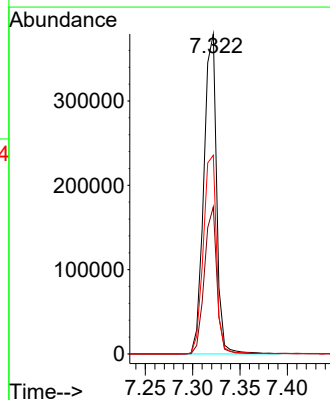
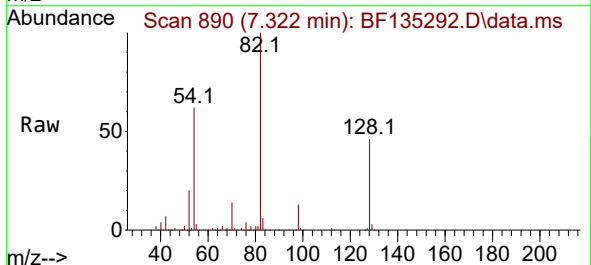
Instrument :
BNA_F
ClientSampleId :
WC-5(0-6)COMP

Tgt Ion:136	Resp: 372967
Ion Ratio	Lower Upper
136 100	
137 10.6	8.8 13.2
54 10.1	7.7 11.5
68 5.2	4.6 6.8



#23
Nitrobenzene-d5
Concen: 51.960 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

Tgt Ion: 82	Resp: 356704
Ion Ratio	Lower Upper
82 100	
128 45.9	35.8 53.6
54 62.1	50.6 76.0

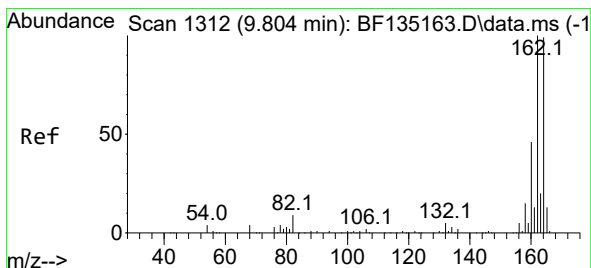
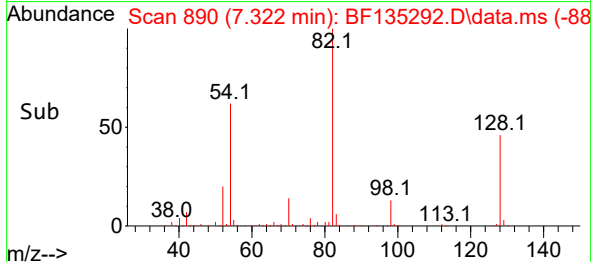
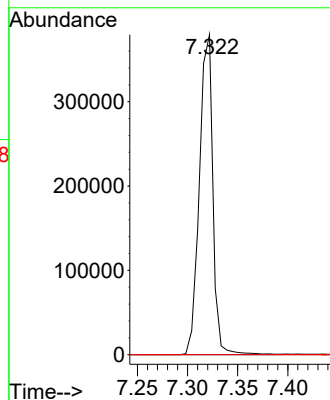
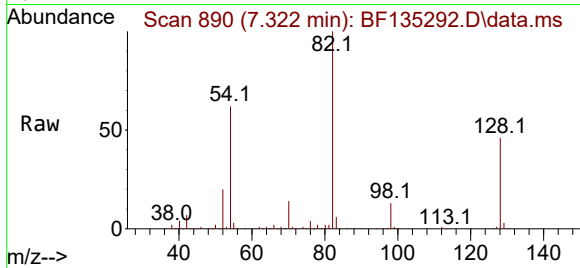




#25
Isophorone
Concen: 28.297 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

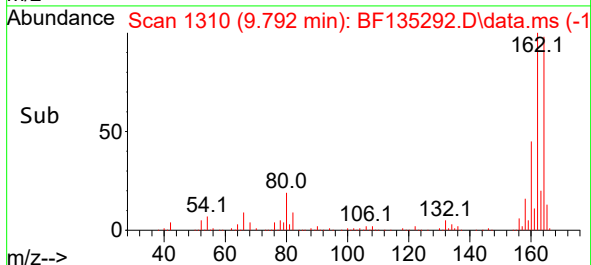
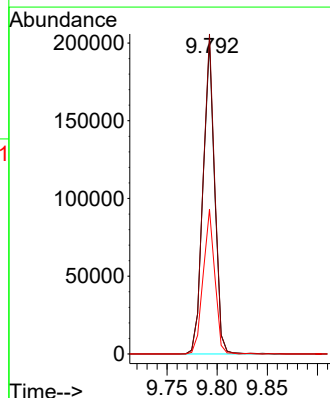
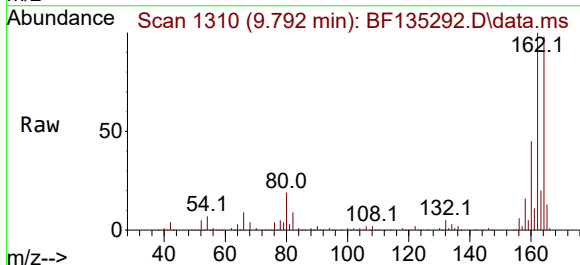
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BNA_F
ClientSampleId :
WC-5(0-6)COMP

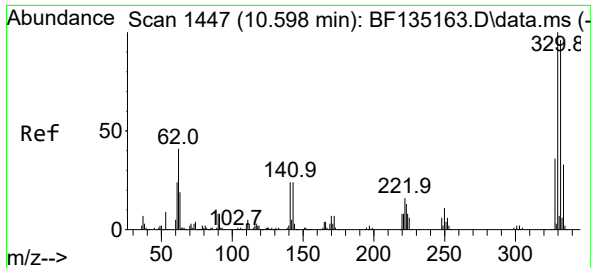
Tgt Ion: 82 Resp: 356701
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

Tgt Ion: 164 Resp: 163148
Ion Ratio Lower Upper
164 100
162 102.2 81.0 121.4
160 46.2 37.0 55.4

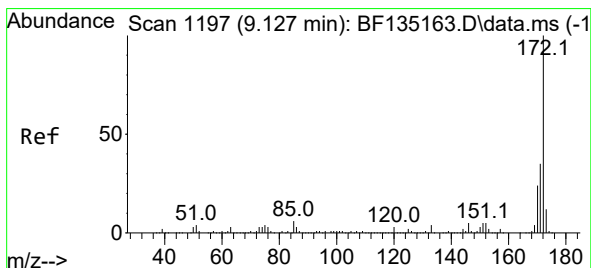
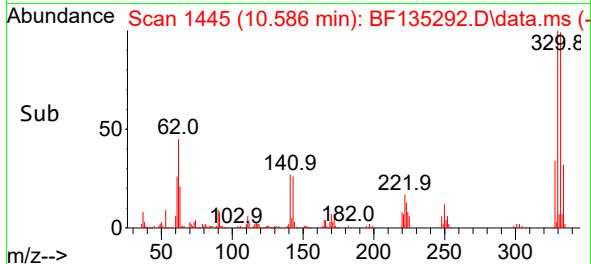
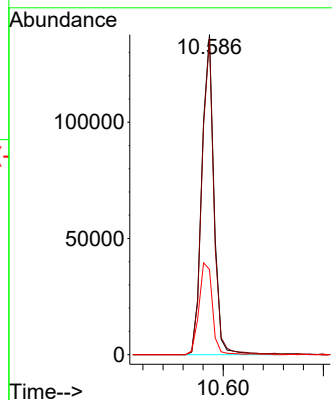
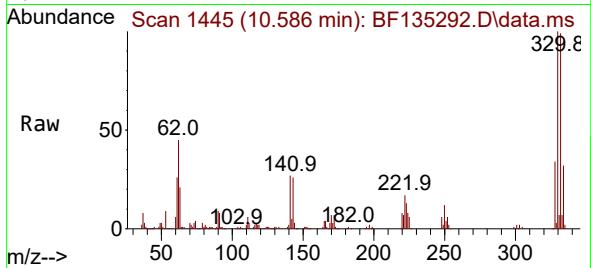




#42
2,4,6-Tribromophenol
Concen: 71.204 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

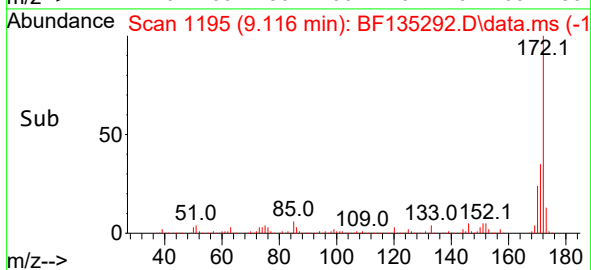
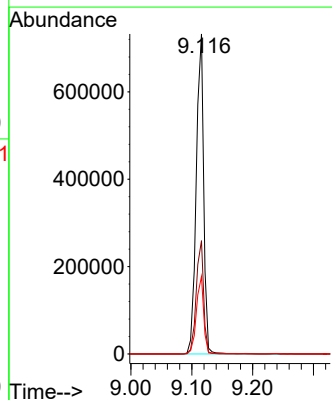
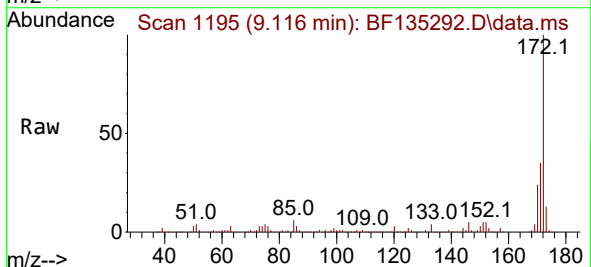
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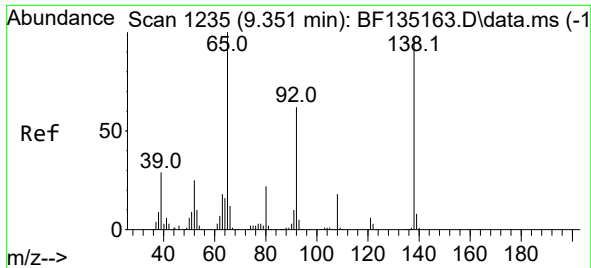
Tgt Ion:330 Resp: 115442
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 31.5 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 57.276 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

Tgt Ion:172 Resp: 619362
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 24.2 19.0 28.4

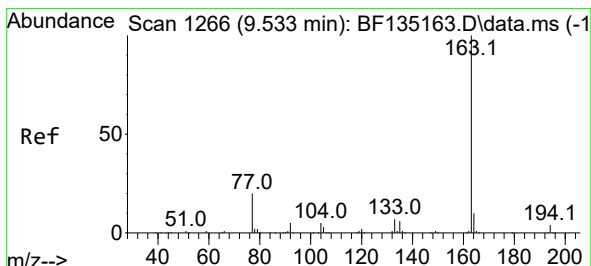
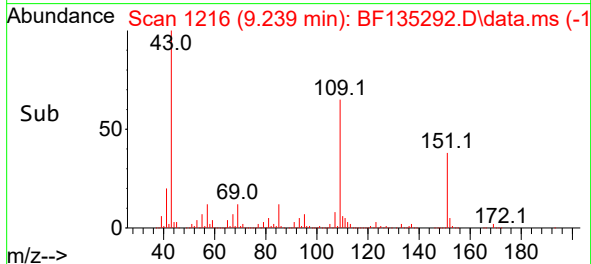
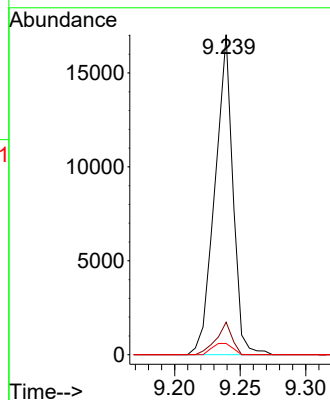
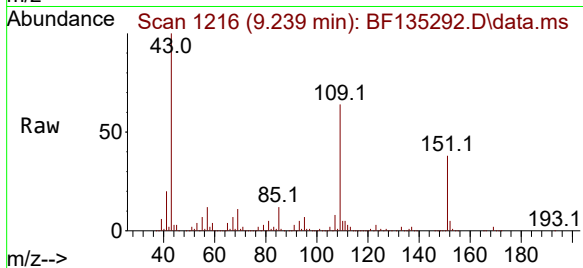




#48
2-Nitroaniline
Concen: 4.592 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.112 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

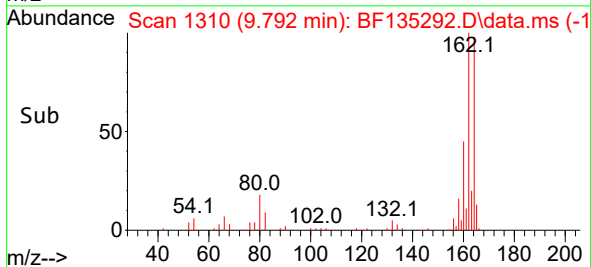
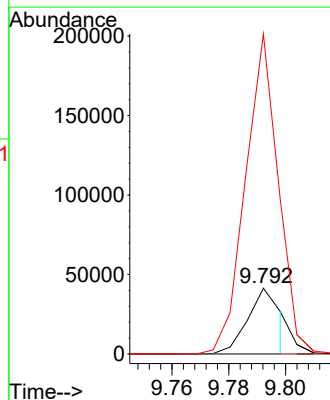
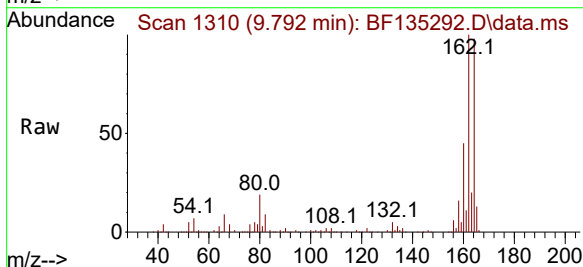
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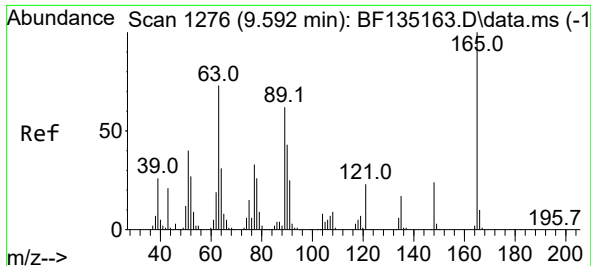
Tgt Ion: 65 Resp: 16227
Ion Ratio Lower Upper
65 100
92 10.2 49.4 74.0#
138 3.5 77.4 116.0#



#50
Dimethylphthalate
Concen: 2.982 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

Tgt Ion: 163 Resp: 32894
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 486.5 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.703 ng

RT: 9.792 min Scan# 1310

Delta R.T. 0.200 min

Lab File: BF135292.D

Acq: 15 Sep 2023 21:59

Instrument :

BNA_F

ClientSampleId :

WC-5(0-6)COMP

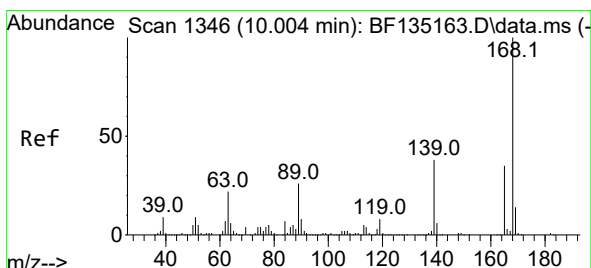
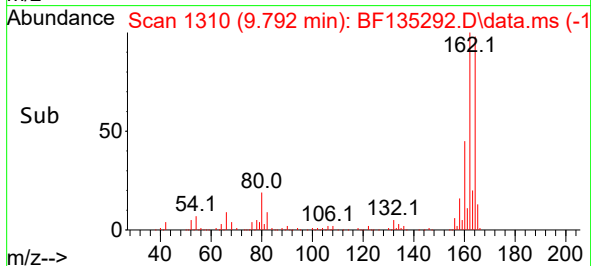
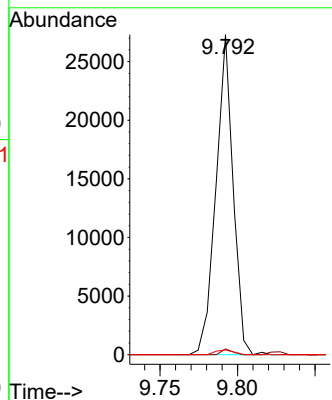
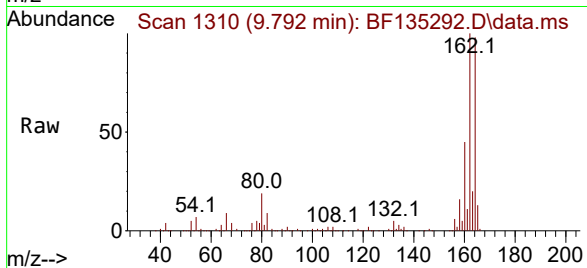
Tgt Ion:165 Resp: 21029

Ion Ratio Lower Upper

165 100

63 1.8 59.4 89.2#

89 1.5 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.951 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.212 min

Lab File: BF135292.D

Acq: 15 Sep 2023 21:59

Tgt Ion:165 Resp: 21029

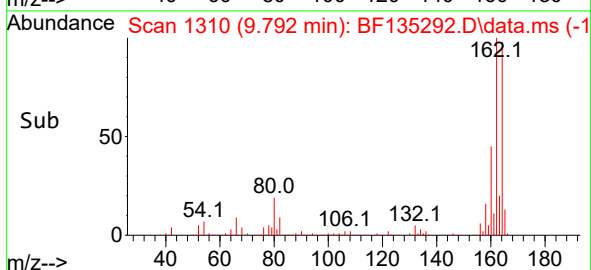
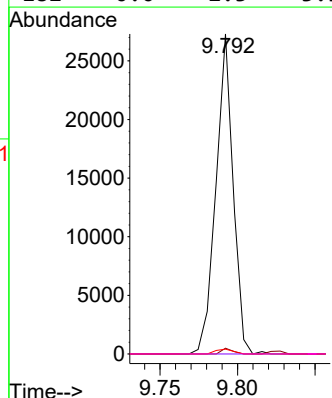
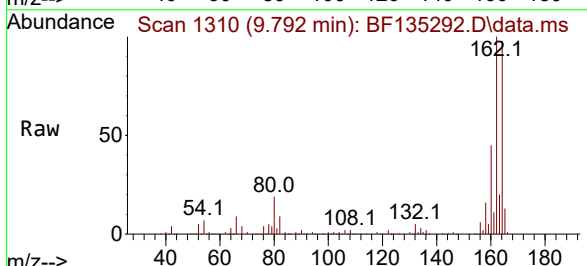
Ion Ratio Lower Upper

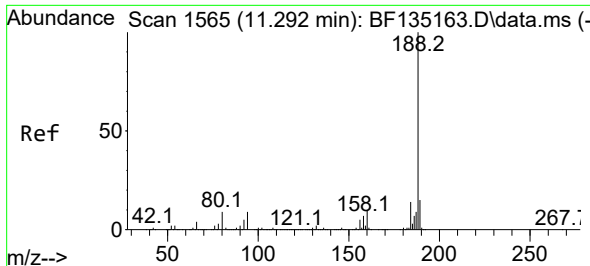
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63 1.8 50.1 75.1#

89 1.5 59.3 88.9#

182 0.0 2.3 3.5#

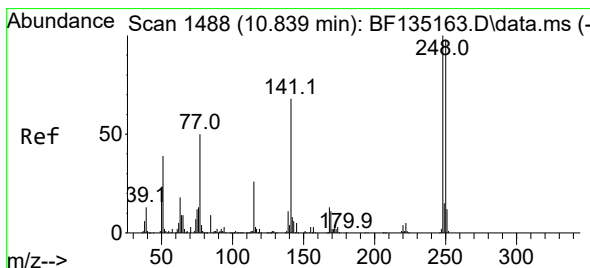
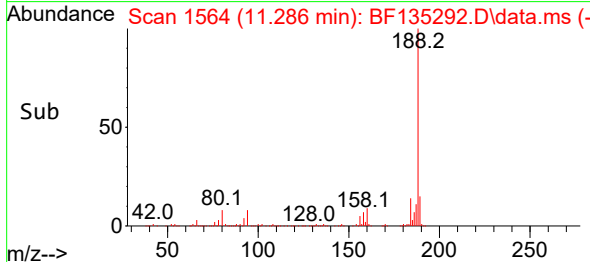
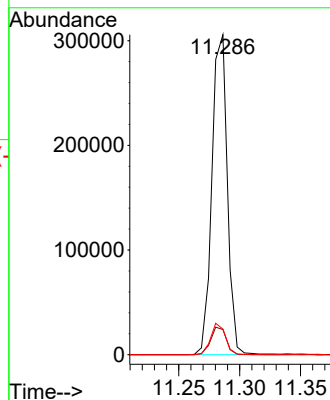
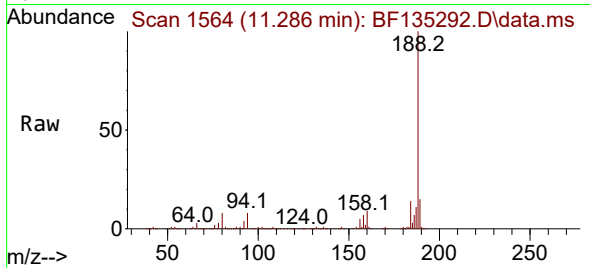




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

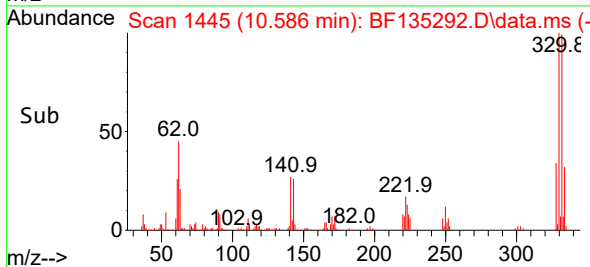
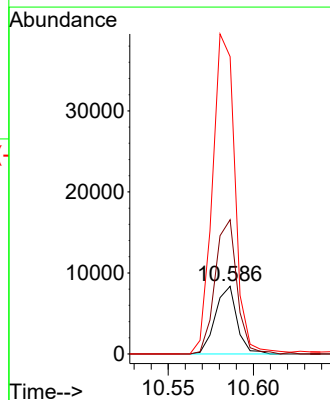
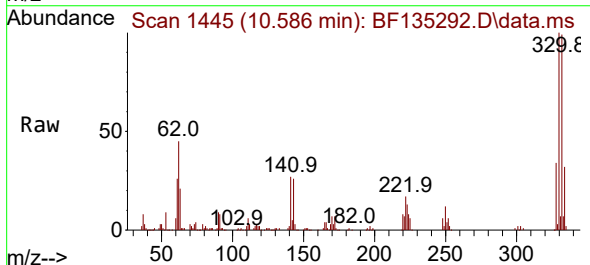
Instrument :
BNA_F
ClientSampleId :
WC-5(0-6)COMP

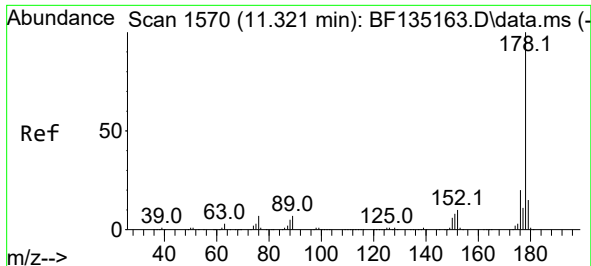
Tgt Ion:188 Resp: 268625
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.6
80 8.0 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.770 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

Tgt Ion:248 Resp: 7400
Ion Ratio Lower Upper
248 100
250 198.2 78.6 117.8#
141 438.9 54.2 81.2#

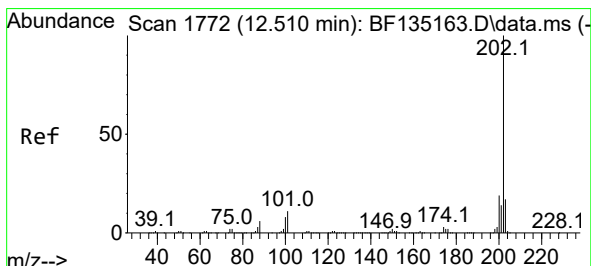
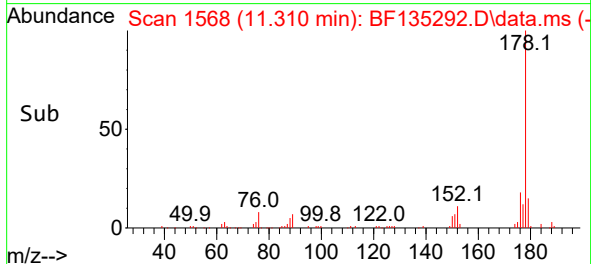
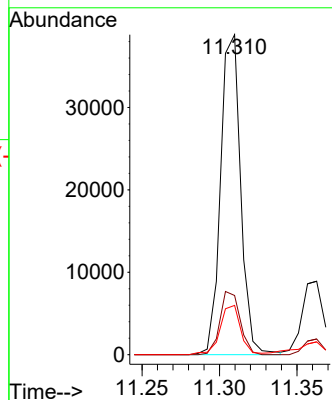
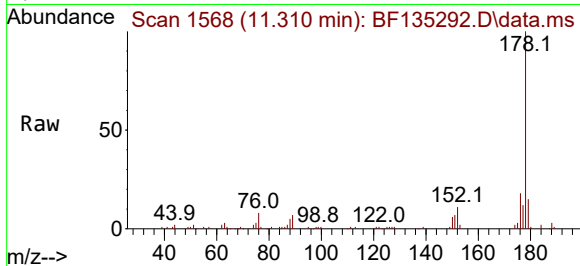




#71
Phenanthrene
Concen: 2.763 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

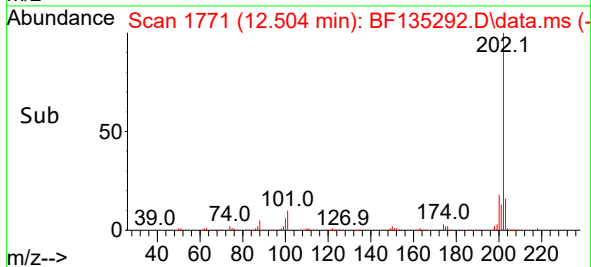
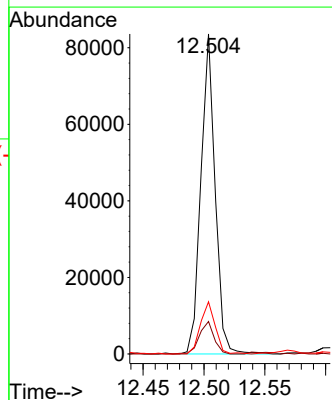
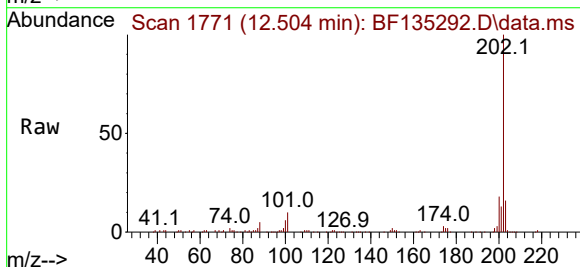
Instrument :
BNA_F
ClientSampleId :
WC-5(0-6)COMP

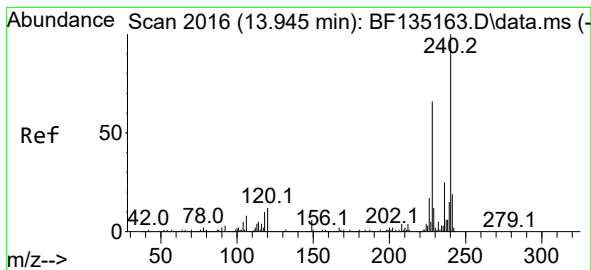
Tgt Ion:178 Resp: 35103
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.4 12.0 18.0



#75
Fluoranthene
Concen: 5.158 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135292.D
Acq: 15 Sep 2023 21:59

Tgt Ion:202 Resp: 68279
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.3
203 16.3 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135292.D

Acq: 15 Sep 2023 21:59

Instrument :

BNA_F

ClientSampleId :

WC-5(0-6)COMP

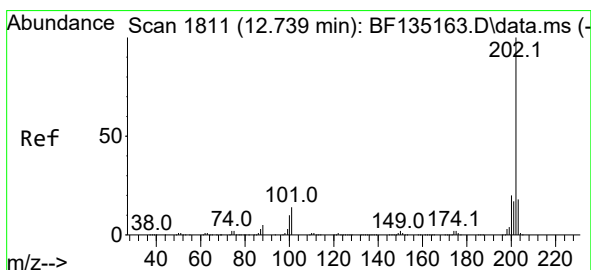
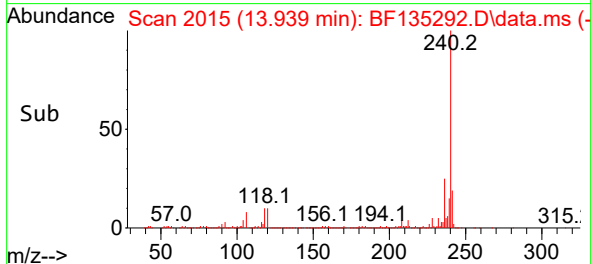
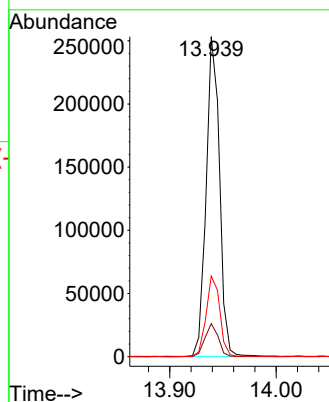
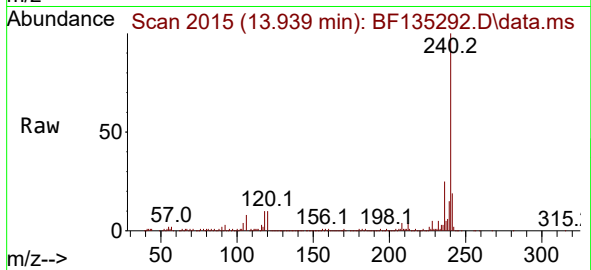
Tgt Ion:240 Resp: 222393

Ion Ratio Lower Upper

240 100

120 10.3 9.4 14.2

236 25.2 19.8 29.8



#78

Pyrene

Concen: 2.938 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135292.D

Acq: 15 Sep 2023 21:59

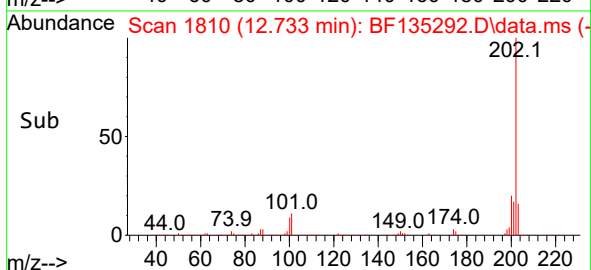
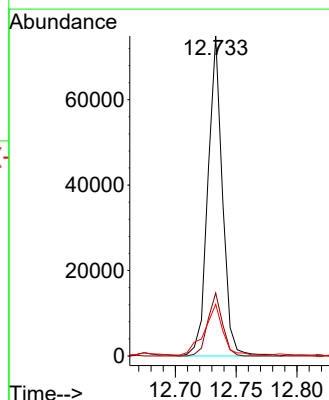
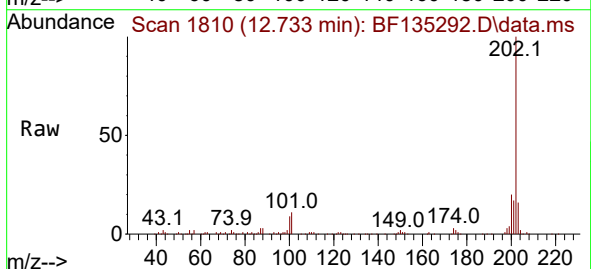
Tgt Ion:202 Resp: 62205

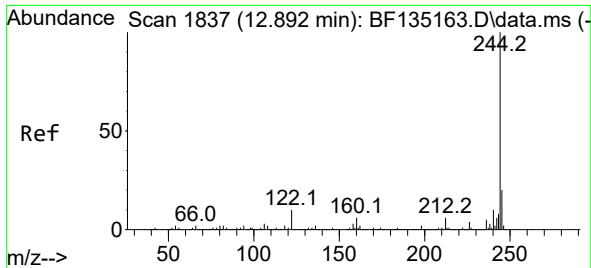
Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 16.2 14.2 21.4

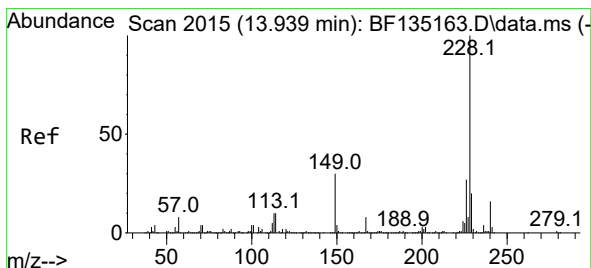
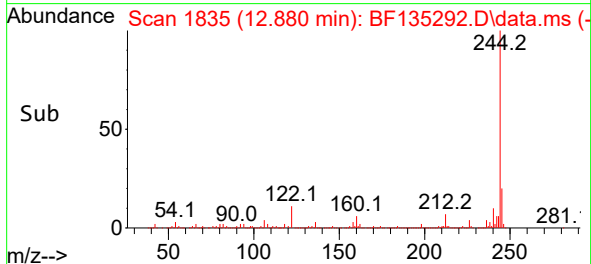
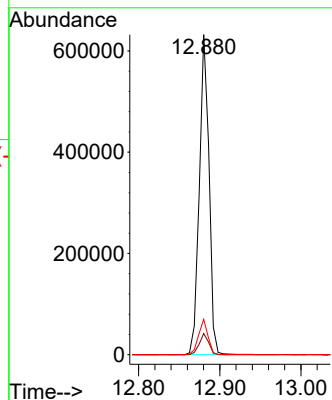
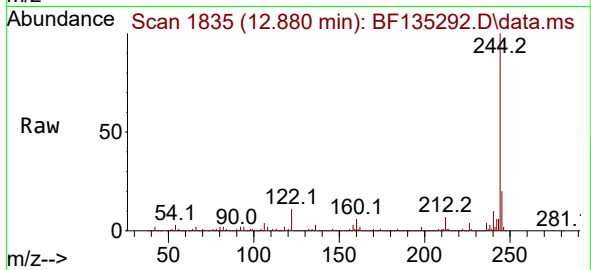




#79
 Terphenyl-d14
 Concen: 36.652 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135292.D
 Acq: 15 Sep 2023 21:59

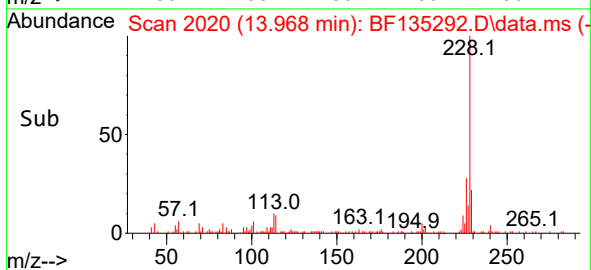
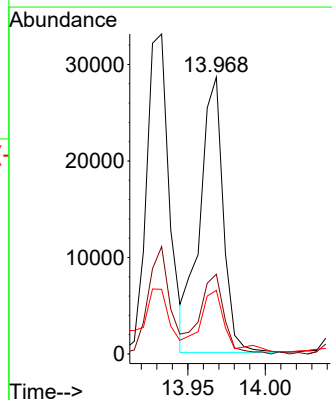
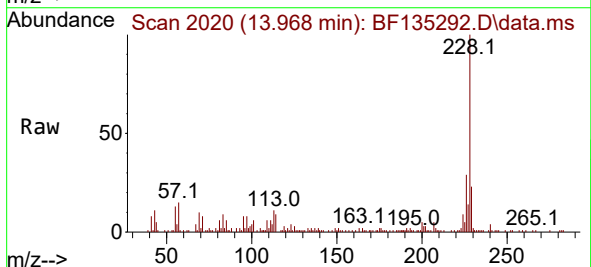
Instrument :
 BNA_F
 ClientSampleId :
 WC-5(0-6)COMP

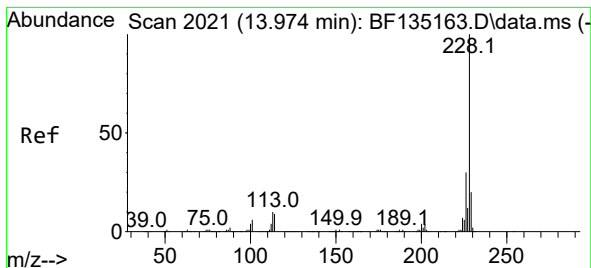
Tgt Ion:244 Resp: 525819
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 11.0 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 2.091 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. 0.030 min
 Lab File: BF135292.D
 Acq: 15 Sep 2023 21:59

Tgt Ion:228 Resp: 30030
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 22.9 15.8 23.8





#83

Chrysene

Concen: 2.103 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135292.D

Acq: 15 Sep 2023 21:59

Instrument :

BNA_F

ClientSampleId :

WC-5(0-6)COMP

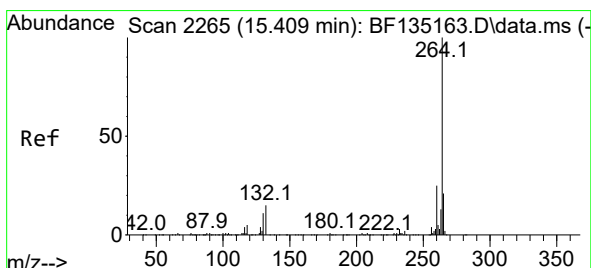
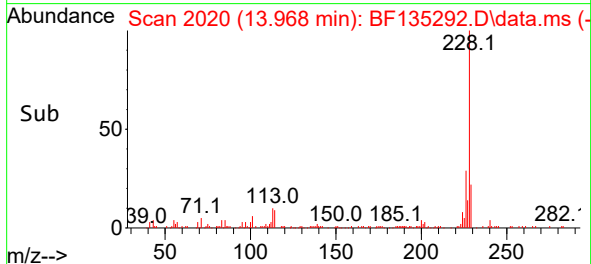
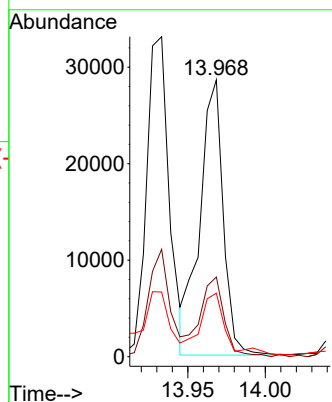
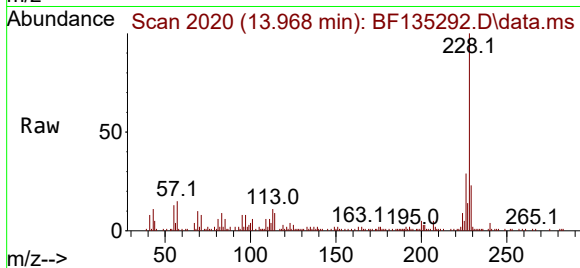
Tgt Ion:228 Resp: 30030

Ion Ratio Lower Upper

228 100

226 28.8 24.3 36.5

229 22.9 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF135292.D

Acq: 15 Sep 2023 21:59

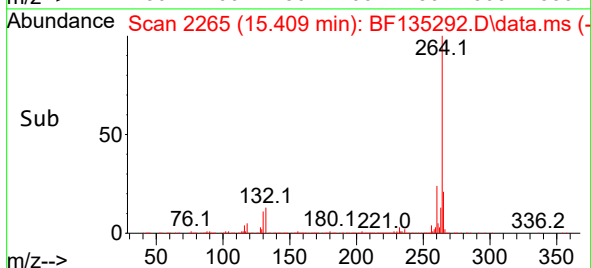
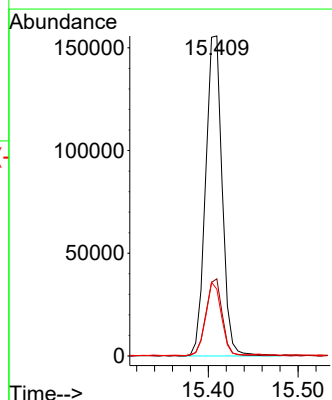
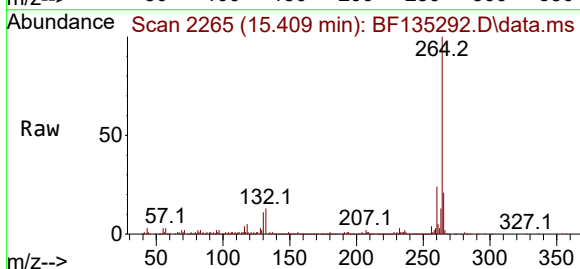
Tgt Ion:264 Resp: 200105

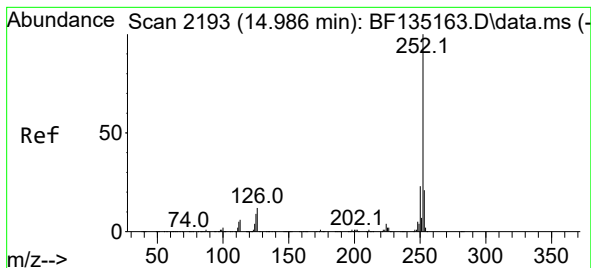
Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.6

265 20.9 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 4.336 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135292.D

Acq: 15 Sep 2023 21:59

Instrument :

BNA_F

ClientSampleId :

WC-5(0-6)COMP

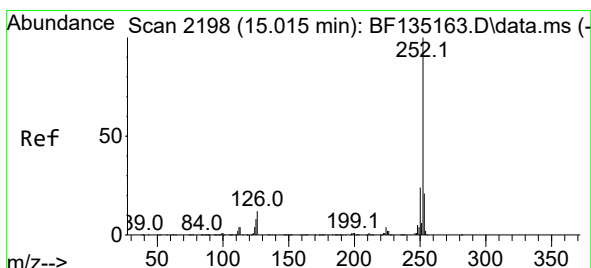
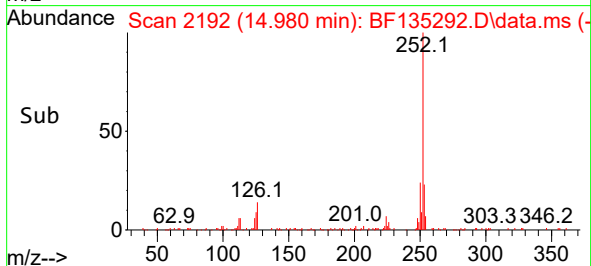
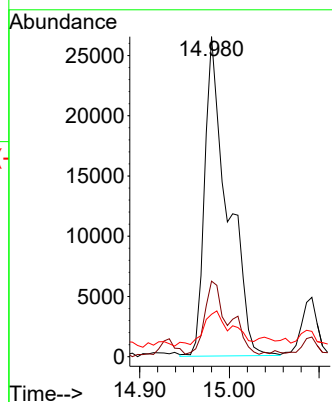
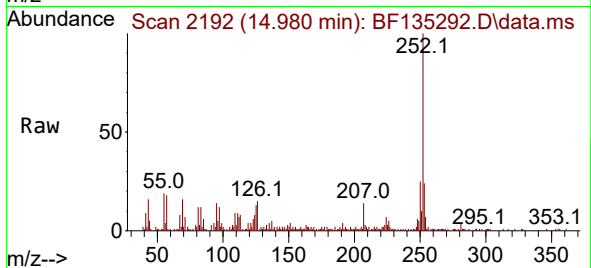
Tgt Ion:252 Resp: 46965

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

125 13.2 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 4.389 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.035 min

Lab File: BF135292.D

Acq: 15 Sep 2023 21:59

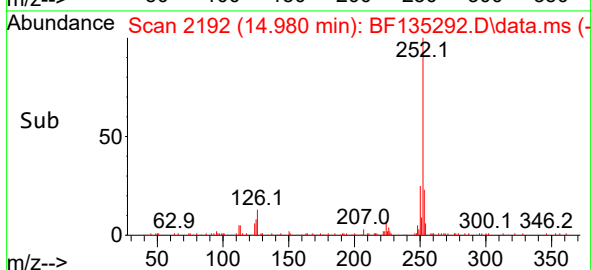
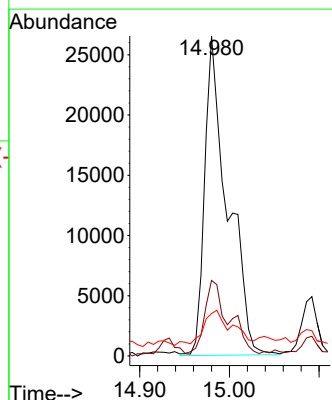
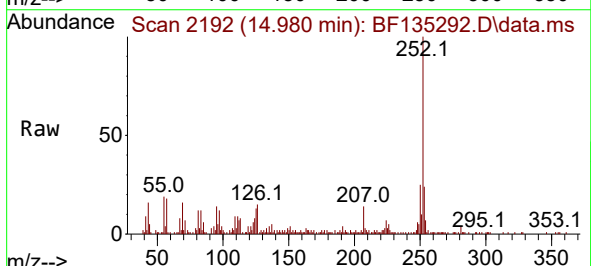
Tgt Ion:252 Resp: 46965

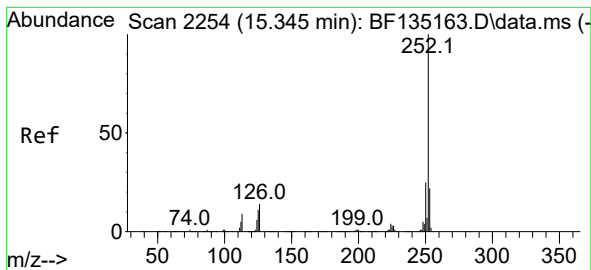
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 13.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.229 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135292.D

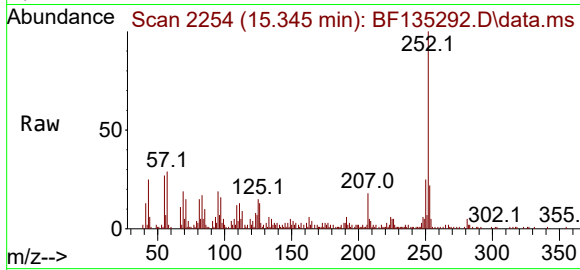
Acq: 15 Sep 2023 21:59

Instrument :

BNA_F

ClientSampleId :

WC-5(0-6)COMP



Tgt Ion:252 Resp: 23029

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 15.3 9.2 13.8#

